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FILE 'HOME' ENTERED AT 17:24:46 ON 19 MAR 2006

=> fil pctfull
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=> WO96/20236/pn
L1            0 WO96/20236/PN
                (WO96/PN)

=> WO 1996020236/pn
L2            1 WO 1996020236/PN
                (WO9620236/PN)

=> form? and l2
         952912 FORM?
L3            1 FORM? AND L2

=> d kwic l3

L3     ANSWER 1 OF 1      PCTFULL   COPYRIGHT 2006 Univentio on STN
PI     WO 9620236           A1 19960704
ABEN   A polyglycomer is disclosed of formula (I), wherein L is a
       linker selected from the group of
       -O-(CH2)m-, -NH-(CH2)m-, -O-(CH2)m-X-, and -NH-(CH2)m-X-, wherein X = S.
       . .
ABFR   L'invention se rapporte a un polyglycomere de la formule (I)
       dans laquelle L represente un
       element de liaison selectionne dans le groupe de -O- (CH2)m-,
       -NH-(CH2)m, -O-(CH2)m-X-, et
       -NH-(CH2)m-X-,. . .

DETD   . . . the Invention
       In general, the field of the present invention is
       carbohydrate-substituted polymers. Specifically, the field of
       the present invention is saccharide-substituted polymers
       5 formed from 7-oxanorbornenes through aqueous ring-opening
```

metathesis polymerization.

Summary of the Invention
The present invention is a compound of the **formula**.

The present invention is also a polyglycomer of the **formula**.

0
0
L L
\ 2
R' R
wherein L is a linker selected from the group of (CH2),-, -NH-(CH2)m-f (CH2),-X- and -NH-(CH2),-X- wherein X. . . and m is 2 - 10; and wherein R' and R 2 are selected from the group consisting of moieties of the **formula**.

The present invention is also a compound of the **formula**
0
L 0
/ CH3
R
5 wherein L is a linker selected from the group of (CH2),-f NH-(CH2)m-f (CH2)m-X- and -NH-(CH2).-X- moieties, wherein X 0 or. . .

The present invention is also a compound of the **formula**
0
Hoes etlH
0 0
L L
R' R2
wherein L is a linker selected from the group of (CH2),-, NH-(CH2)m-f (CH2),-X- and -NH-(CH2)m-X- moietiesf wherein X 0. . .
. . .
via a C-glycoside linkage
and treating the product of the first step with ruthenium trichloride, wherein a polyglycomer is created. In a preferred **form** of this method, the ruthenium trichloride treatment is in a aqueous environment at 550C.

When the saccharide is attached with a C-glycoside linker, the linker element of the general **formula** described 2 5 above is CH2-CH2-' However, we envision that other linkers WO 96/20236 PCrfUS95/13361
9
hexoses and pentoses are suitable, although hexoses. . .
. . .
designs of 8, 9 and 10 are based on the Lewis a rather than Lewis x template, because derivatives of the **former** generally bind more tightly to the selectins (Berg, et al., Biochem. Biophys. Res. Commun. 184:1048-1055, 1992. Nelson, et al., J. Clin. Invest. 91:1157-1166,. . .
. . .
selectin inhibitors, sulfates 8, 9 and 10, were generated by chemical synthesis. We chose to employ chemical over enzymatic synthesis because the **former** provides access to many different carbohydrate derivatives. Although enzymes are available for the generation of Le' structures, the corresponding Le' scaffold can not. . .
. . .

and the galactose
partners 13a and 13b are available through standard
manipulations (Manning, et al., 1994, in preparation,
supplemental material). The glycosylations to **form** lactose
derivatives 14a and 14b were promoted with Schmidt
glycosylation conditions (Schmidt, In Comprehensive Organic
Synthesis; B. M. Trost and I. Fleming, Eds.;. . .

Compound 8 was sulfated by way of the cyclic tin acetal,
which **forms** at the 3 and 4 hydroxyls of the galactose residue.

CLMEN 1. A polyglycomer of the **formula**
0
L L-
R1 \ jt]
wherein L is a linker selected from the group of (CH2)m-f -
NH-(CH2)m-r (CH2)m-X-., and -NH-(CH2)m-X-j, wherein X is. . .

12 A polyglycomer of the **formula**
0
0 0
L L
RI
R2
wherein L is a linker selected from the group of (CH2),-, -
NH-(CH2)m-f (CH2)m-Xi and -NH-(CH2).-X-, wherein X is S or 0
and m is 2-10,
wherein R' and R 2are selected from the group consisting of
moieties of the **formula**
HO
CH
H3C CH
HO 0 CH
R92o.0 0 0
R9b L
OH HO
wherein R'' = S03Na and R 2 = H; or R S03Na and R,. . .

13 A polyglycomer of the **formula**
n
0
RI CH3
wherein L is a linker selected from the group of (CH2),-, -
NH-(CH2)m-j, (CH2) M.X-1 and -NH-(CH2),,,-X-, wherein X is S. . .

14 A polyglycomer of the **formula**
0
His 41811H
0 0
L L
RI \ 2
R
wherein L is a linker selected from the group of (CH2),-, -
NH-(CH2)m-f (CH2),-X-l and -NH-(CH2),-X-, wherein. . .

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.73	14.94

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 17:32:26 ON 19 MAR 200